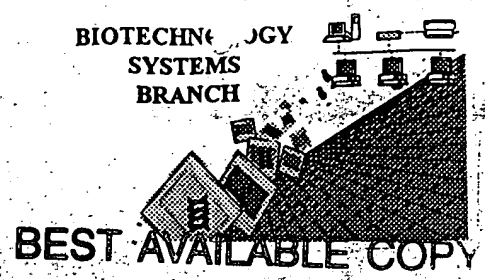
5/20

BIOTECHNOLOGY SYSTEMS BRANCH



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RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/087,631A
Source: OIPE
Date Processed by STIC: 5-22-02

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FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

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   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
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Revised 01/29/2002

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Corrected Diskette Needed

OIPE

RAW SEQUENCE LISTING DATE: 05/22/2002
PATENT APPLICATION: US/10/087,631A TIME: 11:25:35

Input Set : A:\1803.txt
Output Set: N:\CRF3\05222002\J087631A.raw

```
     4 <110> APPLICANT: Jaeger, Stephan
     6 <120> TITLE OF INVENTION: A method for determination of a nucleic acid using a
     7       control
     9 <130> FILE REFERENCE: 18981
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/087,631A
C--> 12 <141> CURRENT FILING DATE: 2002-05-13
    14 <160> NUMBER OF SEQ ID NOS: 17
    16 <170> SOFTWARE: PatentIn Ver. 2.1
    18 <210> SEQ ID NO: 1
    19 <211> LENGTH: 21
    20 <212> TYPE: DNA
    21 <213> ORGANISM: Artificial Sequence
    23 <220> FEATURE:
    24 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
    25       sequence to examplify principle
    27 <400> SEQUENCE: 1
    28 agcgcatgcc agattactgg c                                              21
    30 <210> SEQ ID NO: 2
    31 <211> LENGTH: 21
    32 <212> TYPE: DNA
    33 <213> ORGANISM: Artificial Sequence
    35 <220> FEATURE:
    36 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
    37       sequence to examplify principle
    39 <400> SEQUENCE: 2
    40 tcgcgtacgg tctaatgacc g                                              21
    42 <210> SEQ ID NO: 3
    43 <211> LENGTH: 34
    44 <212> TYPE: DNA
    45 <213> ORGANISM: Artificial Sequence
    47 <220> FEATURE:
    48 <223> OTHER INFORMATION: Description of Artificial Sequence: ST650 HCV
    49       specific probe sequence
    51 <220> FEATURE:
    52 <221> NAME/KEY: N_region
    53 <222> LOCATION: (15)
    54 <223> OTHER INFORMATION: n represents abasic linker
    55       ((2-amino-cyclohexyl-)propan-1,3-diol)
    57 <400> SEQUENCE: 3
W--> 58 cggtgtactc accgnttccg cagaccacta tggc                              34
    60 <210> SEQ ID NO: 4
    61 <211> LENGTH: 31
    62 <212> TYPE: DNA
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'n' can only be a nucleotide or modified nucleotide

RAW SEQUENCE LISTING DATE: 05/22/2002
PATENT APPLICATION: US/10/087,631A TIME: 11:25:35

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Output Set: N:\CRF3\05222002\J087631A.raw

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     63 <213> ORGANISM: Artificial Sequence
     65 <220> FEATURE:
     66 <223> OTHER INFORMATION: Description of Artificial Sequence:ST2535 probe
     67       sequence
     69 <220> FEATURE:
     70 <221> NAME/KEY: N_region
     71 <222> LOCATION: (14)
     72 <223> OTHER INFORMATION: n represents an abasic linker
     73       (2-amino-cyclohexyl-)propan-1,3-diol)
     75 <400> SEQUENCE: 4
W--> 76 tggactcagt cctntggtca tctcaccttc t                              31
     78 <210> SEQ ID NO: 5
     79 <211> LENGTH: 34
     80 <212> TYPE: DNA
     81 <213> ORGANISM: Artificial Sequence
     83 <220> FEATURE:
     84 <223> OTHER INFORMATION: Description of Artificial Sequence: ST650pc probe
     85       sequence (parallel-complementary to ST650)
     87 <220> FEATURE:
     88 <221> NAME/KEY: N_region
     89 <222> LOCATION: (15)
     90 <223> OTHER INFORMATION: n represents an abasic linker
     91       (2-amino-cyclohexyl-)propan-1,3-diol)
     93 <400> SEQUENCE: 5
W--> 94 gccacatgag tggcnaaggc gtctggtgat accg                           34
     96 <210> SEQ ID NO: 6
     97 <211> LENGTH: 26
     98 <212> TYPE: DNA
     99 <213> ORGANISM: Artificial Sequence
    101 <220> FEATURE:
    102 <223> OTHER INFORMATION: Description of Artificial Sequence:ST280
    103       HCV-speific Primer-sequence
    105 <400> SEQUENCE: 6
    106 gcagaaagcg tctagccatg gcgtta                                    26
    108 <210> SEQ ID NO: 7
    109 <211> LENGTH: 28
    110 <212> TYPE: DNA
    111 <213> ORGANISM: Artificial Sequence
    113 <220> FEATURE:
    114 <223> OTHER INFORMATION: Description of Artificial Sequence:ST778
    115       HCV-specific Primer-sequence
    117 <400> SEQUENCE: 7
    118 gcaagcaccc tatcaggcag taccacaa                                  28
    120 <210> SEQ ID NO: 8
    121 <211> LENGTH: 26
    122 <212> TYPE: DNA
    123 <213> ORGANISM: Artificial Sequence
    125 <220> FEATURE:
    126 <223> OTHER INFORMATION: Description of Artificial Sequence:ST280pc Primer
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'n' can only be a nucleotide or modified nucleotide

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PATENT APPLICATION: US/10/087,631A TIME: 11:25:35

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parallel-complementary to ST280

<400> SEQUENCE: 8
cgtctttcgc agatcggtac ctcaat 26

<210> SEQ ID NO: 9
<211> LENGTH: 28
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:ST778pc Primer
parallel-complementary to ST778

<400> SEQUENCE: 9
cgttcgtggg atagtccgtc atggtgtt 28

<210> SEQ ID NO: 10
<211> LENGTH: 241
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
derived by amplification of HCV type 1 using the
primers ST280 and ST778

<400> SEQUENCE: 10
gcagaaagcg tctagccatg gcgttagtat gagtgtcgtg cagcctccag gacccccccc 60
cccgggagag ccatagtggt ctgcggaacc ggtgagtaca ccggaattgc caggacgacc 120
gggtcctttc ttggatcaac ccgctcaatg cctggagatt tgggcgtgcc cccgcgagac 180
tgctagccga gtagtgttgg gtcgcgaaag gccttgtggt actgcctgat agggtgcttg 240
c 241

<210> SEQ ID NO: 11
<211> LENGTH: 943
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: QS(pc)HCV
being parallel-complementary to according region
of the HCV type1 genome

<400> SEQUENCE: 11
agatctccgc tgtgaggtgg tatctagtga ggggacactc cttgatgaca gaagtgcgtc 60
tttcgcagat cggtaccgca atcatactca cagcacgtcg gaggtcctgg gggggagggc 120
cctctcggta tcaccagacg ccttggccac tcatgtggcc ttaacggtcc tgctggccca 180
ggaaagaacc tagttgggcg agttacggac ctctaaaccc gcacgggggc gctctgacga 240
tcggctcatc acaacccagc gctttccgga acaccatgac ggactatccc acgaacgctc 300
acggggccct ccagagcatc tggcacgtgg tactcgtgct taggatttgg agtttctttt 360
tggtttgcat tgtggttggc ggcaggtgtc ctgcagttca agggcccgcc accagtctag 420
caaccacctc aaatggacaa cggcgcgtcc ccggggtcca acccacacgc gcgcgagtcc 480
ttctgaaggc tcgccagcgt tggagcacct tccgctgttg gatagggggtt ccgagcggct 540
gggctcccgt cccggacccg agtcgggccc atgggaaccg gggagatacc gttactcccg 600
taccccaccc gtcctaccga ggacagtggg gcaccaagag ccggatcaac cccggggagt 660
ctgggggccg catccagcgc attaaaccca ttccagtagc tatgggaatg tacgccgaag 720
cggctggagt accccatgta aggcgagcag ccgcggggag atcccccgcg gcggtcccgg 780
gaccgcgtac cgcaggccca agacctcctg ccgcacttga tacgttgtcc cttaaacggg 840

RAW SEQUENCE LISTING DATE: 05/22/2002
PATENT APPLICATION: US/10/087,631A TIME: 11:25:35

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ccaacgagaa agagatagaa ggagaaccca aacgacagaa caaactggta gggtcgaagg 900
cgaatacttc acgcgtaaac atgaggatta cccatgtaag ctt 943
<210> SEQ ID NO: 12
<211> LENGTH: 241
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: amplicon derived from QS(pc)HCV using the primers ST280pc and ST778pc
<400> SEQUENCE: 12
cgtctttcgc agatcggtac cgcaatcata ctcacagcac gtcggaggtc ctgggggga 60
gggccctctc ggtatcacca gacgccttgg ccactcatgt ggccttaacg gtcctgctgg 120
cccaggaaag aacctagttg ggcgagttac ggacctctaa acccgcacgg gggcgctctg 180
acgatcggct catcacaacc cagcgctttc cggaacacca tgacggacta tcccacgaac 240
g 241
<210> SEQ ID NO: 13
<211> LENGTH: 241
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:amplicon sequence derived from QSHCV (HCV amplification control having binding sites for ST280, ST778 and ST2535) using the primers ST280 and ST778
<400> SEQUENCE: 13
gcagaaagcg tctagccatg gcgttagtat agtggcgtga gagcagccct tgcctcgccc 60
accgcgcgtc tagaaggtga gatgaccaga ggactgagtc caatgcatgc tggctccgag 120
atgctccgca aacttgccgt caacgtgact gcgtacggcg ggcgtgcccg cctggctgtg 180
tatgagctgg tgaccgtgat ctggctggag gccttgtggt actgcctgat agggtgcttg 240
c 241
<210> SEQ ID NO: 14
<211> LENGTH: 375
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: ICSJ620HCV (HCV specific amplification control having a binding site for ST280 and ST778 and an internal region being parallel-complementary to HCV)
<400> SEQUENCE: 14
agatctcggt cgggggacta cccccgctgt gaggtggtac ttagtgaggg gacactcctt 60
gatgacagaa gtggcagaaa gcgtctagcc atggcgttac atactcacag cacgtcggag 120
gtcctggggg ggagggccct ctcggtatca ccagacgcct tggccactca tgtggcctta 180
acggtcctgc tggcccagga aagaacctag tttgggcgag ttacggacct ctaaacccgc 240
acgggggcgc tctgacgatc ggctcatcac aacccagcgc tttccggttg tggtactgcc 300
tgatagggtg cttgcctcga ggggcccctcc agagcatctg gcacgtggaa acatgaggat 360
tacccatgta agctt 375
<210> SEQ ID NO: 15

RAW SEQUENCE LISTING DATE: 05/22/2002
PATENT APPLICATION: US/10/087,631A TIME: 11:25:35

Input Set : A:\1803.txt
Output Set: N:\CRF3\05222002\J087631A.raw

<211> LENGTH: 242
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: amplicon derived from ICSJ620HCV (HCV-specific amplification control) using ST280 and ST778 as primers
<400> SEQUENCE: 15
gcagaaagcg tctagccatg gcgttacata ctcacagcac gtcggaggtc ctgggggga 60
gggccctctc ggtatcacca gacgccttgg ccactcatgt ggccttaacg gtcctgctgg 120
cccaggaaag aacctagttt gggcgagtta cggacctcta aacccgcacg ggggcgctct 180
gacgatcggc tcatcacaac ccagcgcttt ccggttgtgg tactgcctga tagggtgctt 240
gc 242
<210> SEQ ID NO: 16
<211> LENGTH: 46
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: NTQ21-46-A
<400> SEQUENCE: 16
cgatcatctc agaacattct tagcgttttg ttcttgtgta tgatcg 46
<210> SEQ ID NO: 17
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: artifical sequence to examplify principle
<400> SEQUENCE: 17
cggtcattag accgtacgcg a 21

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/22/2002
PATENT APPLICATION: US/10/087,631A TIME: 11:25:36

Input Set : A:\1803.txt
Output Set: N:\CRF3\05222002\J087631A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 15
Seq#:4; N Pos. 14
Seq#:5; N Pos. 15

VERIFICATION SUMMARY DATE: 05/22/2002
PATENT APPLICATION: **US/10/087,631A** TIME: 11:25:36

Input Set : **A:\1803.txt**
Output Set: **N:\CRF3\05222002\J087631A.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0